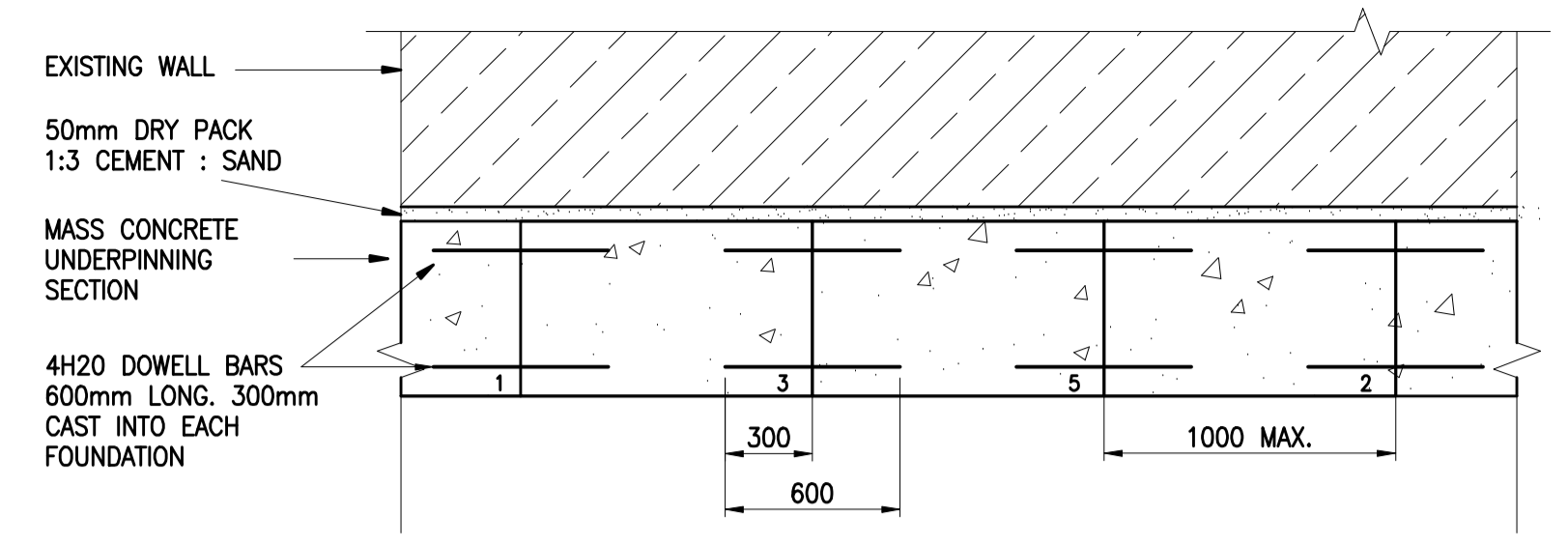
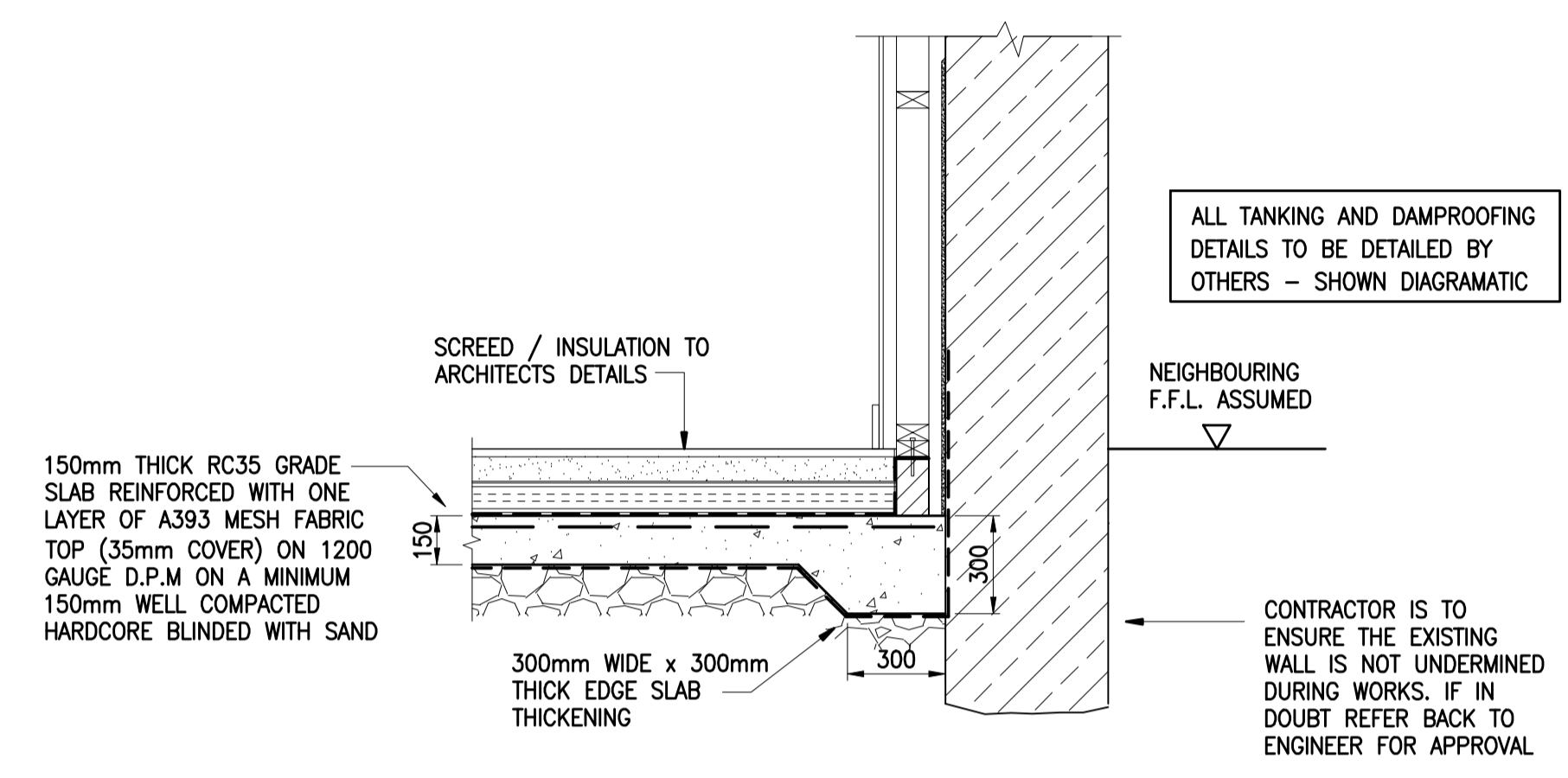


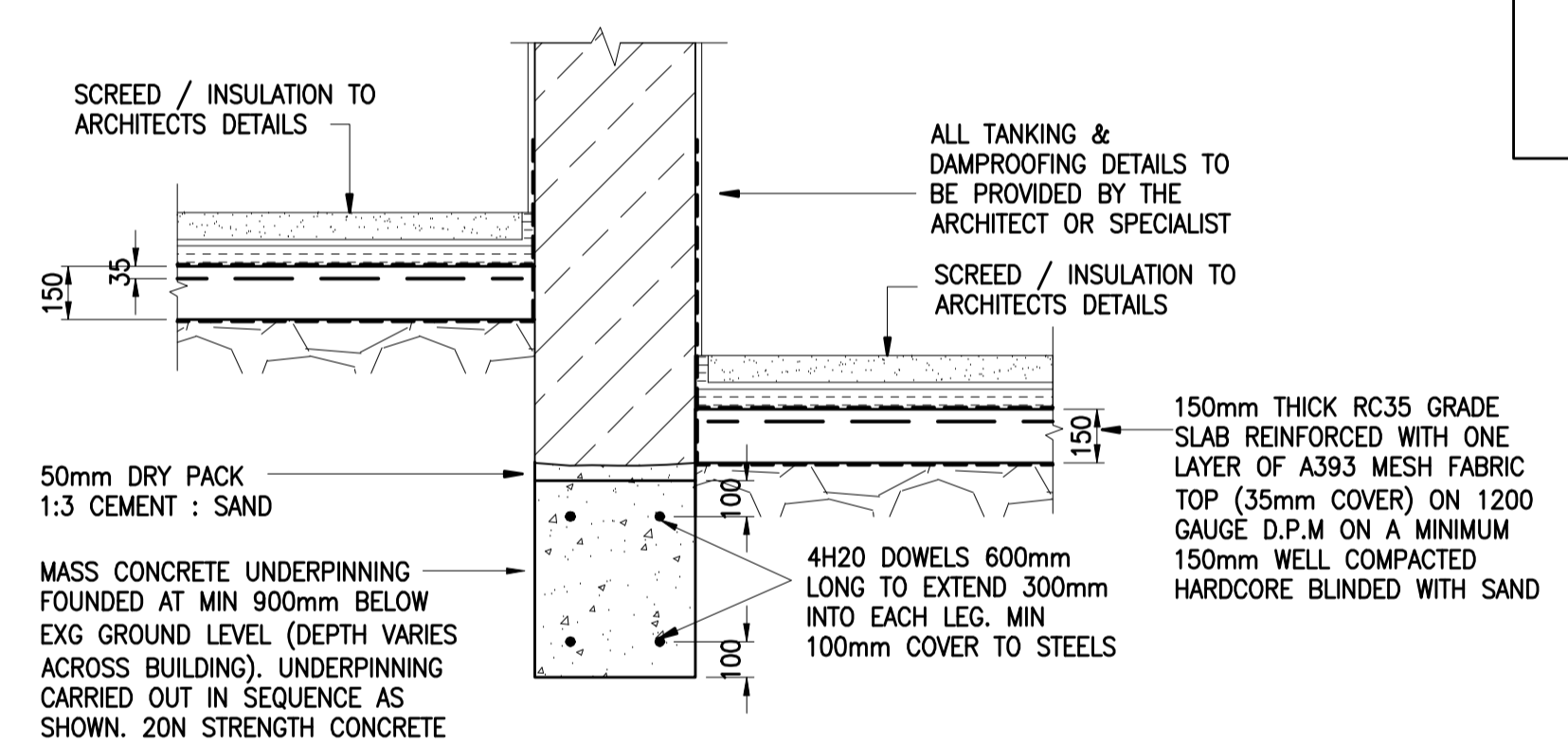
PROPOSED FOUNDATION PLAN
1:50



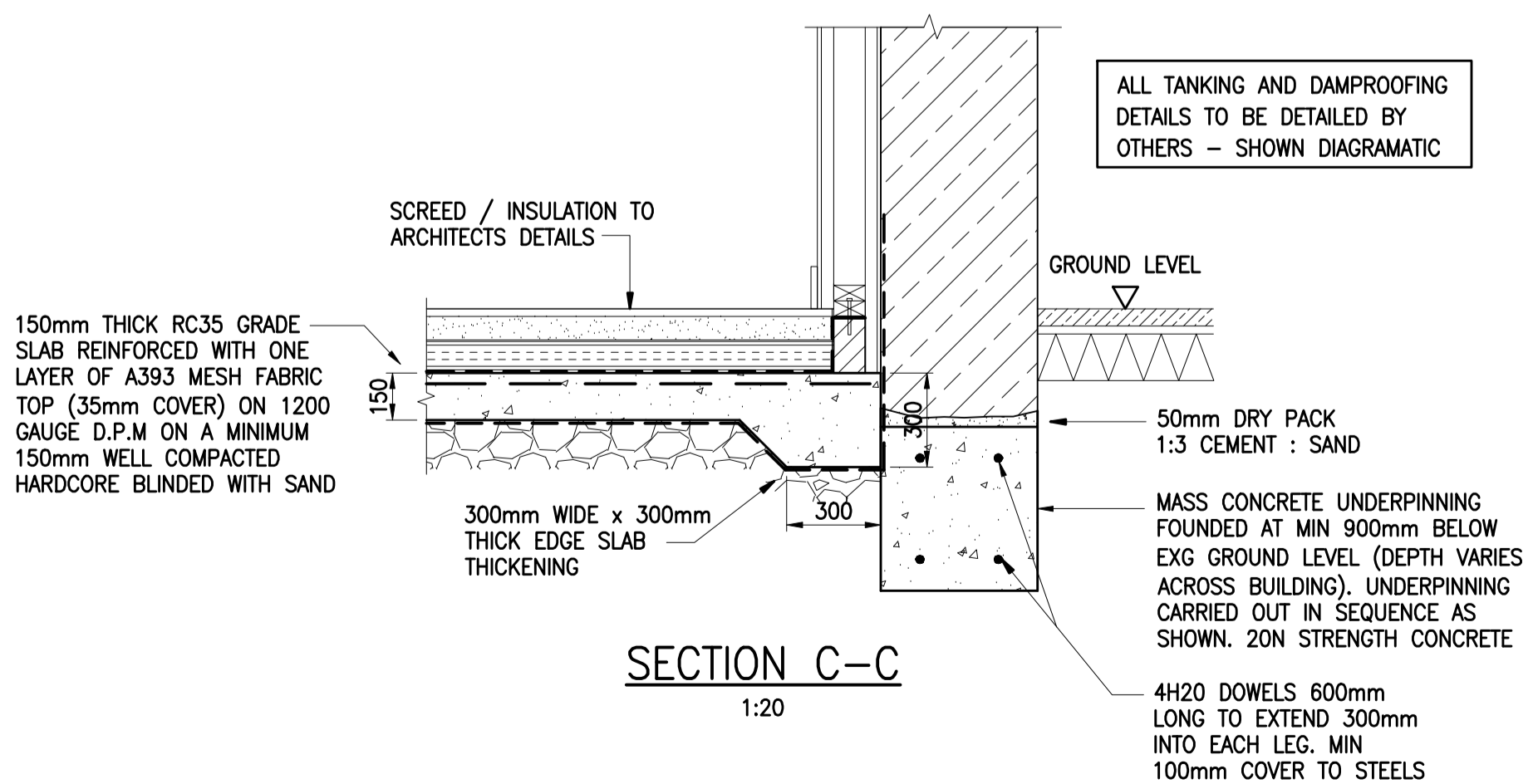
TYPICAL ELEVATION ON UNDERPINNING SECTIONS



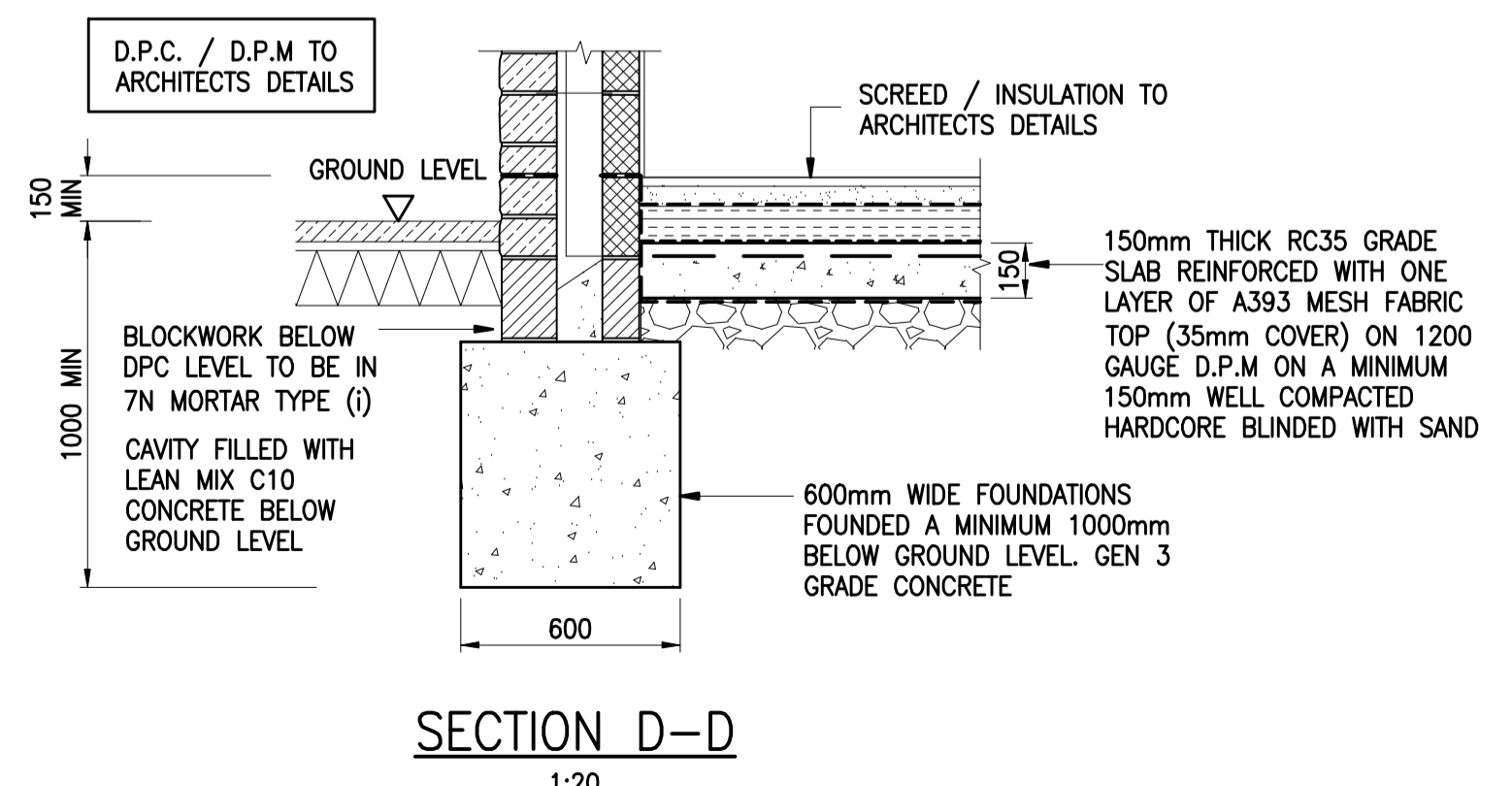
SECTION A-A
1:20



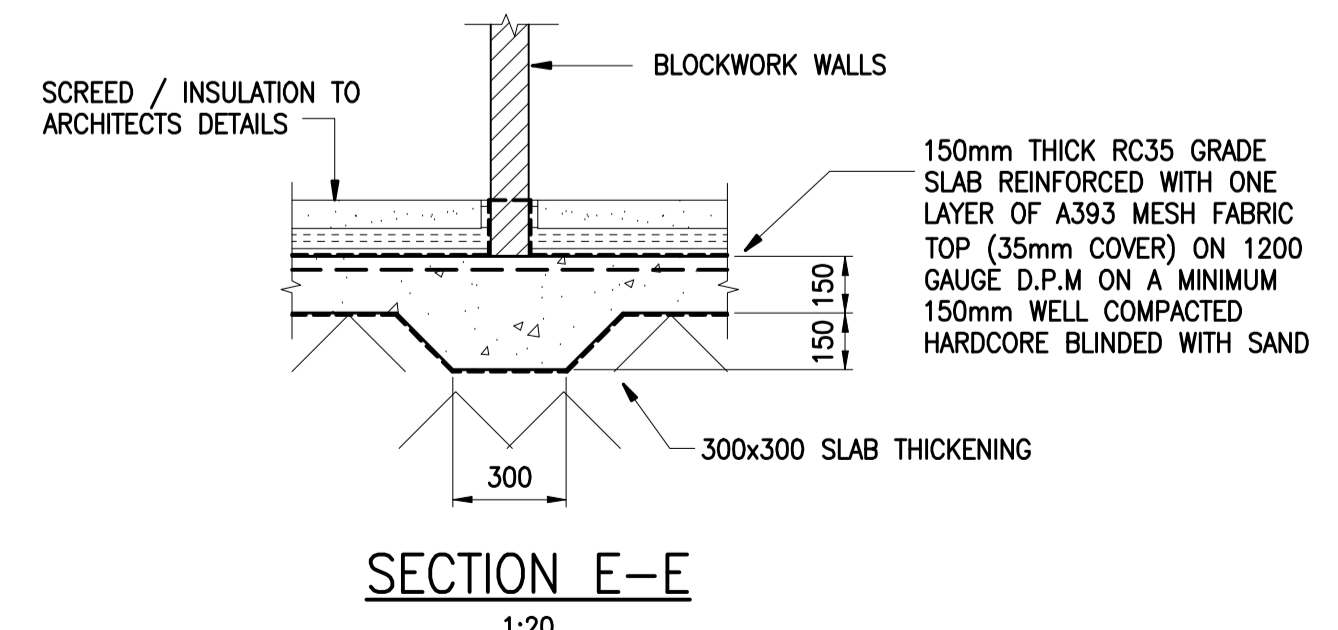
SECTION B-B
1:20



SECTION C-C
1:20



SECTION D-D
1:20



SECTION E-E
1:20

- UNDERPINNING NOTES:**
1. ALL EXCAVATION IS TO BE EITHER HAND DUG OR BY LIGHT MECHANICAL EXCAVATOR AS APPROVED BY THE ENGINEER.
 2. DURING EXCAVATION CARE MUST BE TAKEN TO ENSURE THAT SERVICES ARE NOT DISTURBED OR DAMAGED. ADEQUATE SUPPORT IS TO BE PROVIDED TO ALL EXPOSED SERVICES. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND PROTECT ANY SERVICES AND ANY DAMAGE IS TO BE REPAIRED AT THE CONTRACTORS OWN EXPENSE. THE RAINWATER DOWN PIPE IS TO BE TAKEN TO A NEW SOAKAWAY.
 3. EXCAVATION AND THE STORAGE OF EXCAVATED MATERIAL IS TO BE CARRIED OUT IN SUCH A WAY AS TO MINIMISE DAMAGE TO ADJACENT GROUND.
 4. ALL EXCAVATIONS FOR UNDERPINNING LEGS ARE TO BE TAKEN DOWN VERTICALLY AND KEPT CLEAN AND FREE OF WATER. ALL JOINTS AGAINST LEGS ALREADY CONSTRUCTED TO BE THOROUGHLY CLEANED. DRAIN PIPES ARE TO BE INSTALLED AT THE LEVEL OF ANY SOFT MATERIAL.
 5. EXCAVATION FOR ANY UNDERPINNING LEG IS NOT TO BE COMMENCED UNTIL AT LEAST 1 DAY AFTER FINAL PINNING OF AN ADJACENT LEG.
 6. MAXIMUM LENGTH OF UNDERPINNING TO BE 1000mm. UNDERPINNING TO BE CARRIED OUT IN SEQUENCE AS SHOWN ON PLAN.
 7. UNDERPINNING IS TO BE CARRIED OUT IN MASS CONCRETE AS SHOWN TO A DEPTH OF 900mm BELOW GROUND LEVEL.
 8. UNDERPINNING IS TO BE CARRIED OUT IN SEQUENCE NOT EXCEEDING 1000mm IN LENGTH. THE CONSTRUCTION OF AN UNDERPINNING LEG SHALL BE COMMENCED IMMEDIATELY AFTER EXCAVATION OF THE LEG.
 9. ALL SOIL AND LOOSE MATERIAL IS TO BE REMOVED FROM THE UNDERSIDE OF THE EXISTING FOUNDATIONS BEFORE UNDERPINNING COMMENCES.
 10. UNDERPINNING IS TO BE GENERALLY CARRIED DOWN TO A DEPTH OF 900mm BELOW EXG GROUND LEVEL.
 11. THE FIRST STAGE OF UNDERPINNING IS TO BE IN MASS CONCRETE OF 1 : 1.5 : 3 MIX PROPORTIONS (ORDINARY PORTLAND CEMENT : FINE AGGREGATE : COARSE AGGREGATE). ALL CEMENT IS TO COMPLY TO B.S.12, ALL AGGREGATES TO COMPLY WITH B.S.882. THE MAXIMUM AGGREGATE SIZE TO BE 20mm. THE MASS CONCRETE IS TO BE STOPPED AT A LEVEL 50mm BELOW THE EXISTING FOUNDATIONS. THE TOP OF THE CONCRETE IS TO BE LEFT SMOOTH, LEVEL AND ALLOWED TO HARDEN FOR ONE DAY PRIOR TO FINAL PINNING.
 12. FINAL PINNING IS TO BE CARRIED OUT USING SEMI-DRY CONCRETE RAMMED IN HARD TO PROVIDE SOLID CONTACT WITH THE UNDERSIDE OF THE EXISTING FOUNDATION SO AS TO ENSURE SUPPORT TO THE FOUNDATIONS. SEMI-DRY MEANS THAT ONLY SUFFICIENT WATER HAS BEEN ADDED TO MOISTEN THE MIXTURE SO THAT IT WILL REMAIN A BALL WHEN SQUEEZED IN THE HAND. THE MAXIMUM AGGREGATE SIZE IS TO BE 10mm.
 13. ALL LOOSE STONEMWORK / BRICKWORK WHICH ARE OUT OF PLUMB ARE TO BE CAREFULLY REMOVED AND REBUILT. ALL OTHER CRACKS IN THE EXTERNAL WALLS ARE TO BE POINTED ON COMPLETION OF UNDERPINNING. FOR CRACKS GREATER THAN 4mm THE MORTAR IS TO BE PUSHED WELL INTO THE CRACK.
 14. ALL TEMPORARY SHOWING OF THE EXISTING BUILDING IS TO BE FULLY DETAILED BY THE PRINCIPAL CONTRACTOR. WORKS SHOULD BE IN ACCORDANCE WITH GOOD WORKING PRACTICE & HEALTH & SAFETY REQUIREMENTS.

- NOTES:**
1. TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DETAILS AND DRAWINGS AND CALCULATION SHEETS
 2. ALL DIMENSIONS IN MILLIMETRES AND LEVELS IN METRES
 3. AN ALLOWABLE GROUND BEARING PRESSURE OF 100KN/m² REQUIRED ON SITE TO BE CHECKED PRIOR TO CONSTRUCTION. ALL FOUNDATION FORMATIONS TO BE THE APPROVAL OF LOCAL AUTHORITY BUILDING INSPECTORS - IF IN DOUBT REFER BACK.
 4. FOUNDATIONS DEPTH TO BE IN ACCORDANCE WITH NHBC PRACTICE NOTE 3, 'BUILDING NEAR TREES' WHERE EXISTING TREES ARE RETAINED AND/OR NEW PLANTING SCHEMES DICTATE.
 5. CONCRETE FOR UNREINFORCED FOUNDATIONS DESIGNATED MIX GEN 3 (20N) TO B.S. 5328.
 6. CONCRETE FOR REINFORCED SLAB TO BE DESIGNATED MIX GRADE RC35 TO B.S.5328: PART 2: 1991
 7. MESH FABRIC TO B.S.4483 AND TO HAVE MIN 400mm LAPS
 8. MESH TO BE ADEQUATELY SUPPORTED DURING CASTING OF CONCRETE AND TO HAVE MIN 35mm COVER TO SLAB.
 9. ALL BLOCKWORK BELOW DPC LEVEL 7N UNLESS NOTED OTHERWISE & IN MORTAR TYPE (i) TO B.S.5628 (1:3 CEMENT:SAND).
 10. STRUCTURAL STEELWORK TO BE IN ACCORDANCE WITH NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION (LATEST EDITION).
 11. STRUCTURAL STEELWORK GRADE S355 AND PAINTED WITH ZINC PHOSPHATE PRIMER TO B.S.2569.
 12. BOLTS TO BE GRADE 8.8 UNLESS STATED OTHERWISE.
 13. CONNECTIONS NOT SHOWN ON SKETCHES, CALCULATIONS OR DRAWINGS TO BE DESIGNED AND DETAILED BY STEELWORK FABRICATOR.
 14. ALL WELDS TO BE 6 FILLET UNLESS STATED OTHERWISE.
 15. ALL DIMENSIONS TO BE CHECKED PRIOR TO FABRICATION AND FABRICATION DRGS TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
 16. LATERAL RESTRAINT AT FLOOR & ROOF LEVEL TO BE PROVIDED IN ACCORDANCE WITH APPROVED DOCUMENT A1/2 USING 30 X 5mm GALVANIZED STEEL RESTRAINT STRAPS FIXED ACROSS MIN. 3NO. JOISTS AT MAX. 2000mm CENTRES WITH NOGGIN PACKING AND TURN DOWN ENDS BUILT INTO WALLS.
 17. WALL PLATE STRAPPED TO WALL AT EAVES LEVEL USING 30 X 5mm RESTRAINT STRAPS MIN. 1000mm LONG AND AT MAX. 2000mm CENTRES. SECURE RAFTERS TO WALLPLATE USING ANCHOR FRAME TIES.
 18. THIS DRAWING IS THE PROPERTY OF BRIAN JONES STRUCTURAL ENGINEERS LTD. AND MUST NOT BE COPIED OR REPRODUCED EXCEPT WITH THEIR PERMISSION NOR MAY THE DESIGN OR ANY INFORMATION BE DISCLOSED TO ANY THIRD PARTY.
- TEMPORARY WORKS**
19. ALL TEMPORARY WORKS TO THE EXISTING STRUCTURE, WALLS AND GROUND DURING CONSTRUCTION IS TO BE THE RESPONSIBILITY OF THE PRINCIPAL CONTRACTOR. ALL TEMPORARY WORKS SHOULD BE IN ACCORDANCE WITH GOOD WORKING PRACTICE & HEALTH & SAFETY REQUIREMENTS.
- C.D.M. REGULATIONS 2015**
20. THE ROLE OF THE PRINCIPAL DESIGNER IS TO BE APPOINTED BY THE CLIENT IN WRITING PRIOR TO WORKS IN LINE WITH CURRENT C.D.M REGULATIONS 2015. FOR GUIDANCE REFER TO www.hse.gov.uk

DRAWINGS REFERENCE:-
M2388/01 - FOUNDATION PLAN & DETAILS
M2388/02 - GROUND & FIRST FLOOR PLANS & DETAILS

PRELIMINARY

PROPOSED EXTENSIONS AT MONTROSE, HENTON, WELLS, SOMERSET

FOUNDATION PLANS & DETAILS

CLIENT : MR. K. ARMSTRONG		ORIGINAL SCALE. AS SHOWN
DATE	SEPT 2020	DRAWING No. M2388-01
DRAWN BY	CF	Brian Jones (STRUCTURAL ENGINEERS) Ltd. CHARTERED CIVIL ENGINEER Brunswick House, Woolavington Hill, Woolavington, Bridgwater, Somerset TA7 8DH Tel: 01278 886934 Mob: 07889 401114
CHECKED		
APPROVED		